

SEQUENCE LISTING

<110> O'Brien, Timothy J.
Tanimoto, Hirotooshi

<120> TADG-15: An Extracellular Serine Protease
Overexpressed in Carcinomas

<130> D6064CIP/D2

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<141> 2003-06-20

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Lys Val Glu Lys His Gly Pro Gly Arg Trp Val Val Leu Ala Ala
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Val Trp His Leu Gln Tyr Arg Asp Val Arg Val Gln Lys Val Phe
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Trp	Gly	Asp	Gly	Cys	Ala	Gln	Arg	Asn	Lys	Pro	Gly	Val	Tyr	Thr
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Val	Val	Tyr	His	Gly	Gly	Tyr	Leu	Pro	Phe	Arg	Asp	Pro	Asn	Ser	
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Glu	Glu	Asn	Ser	Asn	Asp	Ile	Ala	Leu	Val	His	Leu	Ser	Ser	Pro	
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Phe	Tyr	Gly	Asn	Gln	Ile	Lys	Pro	Lys	Met	Phe	Cys	Ala	Gly	Tyr	
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Pro	Gly	Val	Tyr	Thr	Lys	Val	Ser	Asp	Phe	Arg	Glu	Trp	Ile	Phe	
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Phe	Pro	Cys	Gly	Gln	Pro	Asn	Asp	Pro	Gly	Val	Tyr	Thr	Gln	Val
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Gln	Tyr	Asp	Arg	Lys	Thr	Leu	Asn	Asn	Asp	Ile	Met	Leu	Ile	Lys
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Ala	Ser	Tyr	Pro	Gly	Lys	Ile	Thr	Ser	Asn	Met	Phe	Cys	Val	Gly
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Phe	Leu	Glu	Gly	Gly	Lys	Asp	Ser	Cys	Gln	Gly	Asp	Ser	Gly	Gly
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Asp	Gly	Cys	Ala	Gln	Lys	Asn	Lys	Pro	Gly	Val	Tyr	Thr	Lys	Val
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<223> Chymotrypsin

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Ser	Leu	Ile	Ser	Glu	Asp	Trp	Val	Val	Thr	Ala	Ala	His	Cys	Gly
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Lys	Asn	Pro	Lys	Phe	Ser	Ile	Leu	Thr	Val	Asn	Asn	Asp	Ile	Thr
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Ala	Val	Cys	Leu	Pro	Ser	Ala	Asp	Asp	Asp	Phe	Pro	Ala	Gly	Thr
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Leu	Cys	Ala	Thr	Thr	Gly	Trp	Gly	Lys	Thr	Lys	Tyr	Asn	Ala	Asn
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Asn	Ala	Glu	Cys	Lys	Lys	Ser	Trp	Gly	Arg	Arg	Ile	Thr	Asp	Val
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Met	Ile	Cys	Ala	Gly	Ala	Ser	Gly	Val	Ser	Ser	Cys	Met	Gly	Asp
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Ser	Gly	Gly	Pro	Leu	Val	Cys	Gln	Lys	Asp	Gly	Ala	Trp	Thr	Leu
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Val	Gly	Ile	Val	Ser	Trp	Gly	Ser	Asp	Thr	Cys	Ser	Thr	Ser	Ser
				200					205					210
Pro	Gly	Val	Tyr	Ala	Arg	Val	Thr	Lys	Leu	Ile	Pro	Trp	Val	Gln
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 <212> PRT
 <213> *Homo sapiens*

<220>

<223> Factor 7

Arg	Ile	Val	Gly	Gly	Lys	Val	Cys	Pro	Lys	Gly	Glu	Cys	Pro	Trp
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Gln	Val	Leu	Leu	Leu	Val	Asn	Gly	Ala	Gln	Leu	Cys	Gly	Gly	Thr
				20					25					30
Leu	Ile	Asn	Thr	Ile	Trp	Val	Val	Ser	Ala	Ala	His	Cys	Phe	Asp
				35					40					45
Lys	Ile	Lys	Asn	Trp	Arg	Asn	Leu	Ile	Ala	Val	Leu	Gly	Glu	His
				50					55					60
Asp	Leu	Ser	Glu	His	Asp	Gly	Asp	Glu	Gln	Ser	Arg	Arg	Val	Ala
				65					70					75
Gln	Val	Ile	Ile	Pro	Ser	Thr	Tyr	Val	Pro	Gly	Thr	Thr	Asn	His
				80					85					90
Asp	Ile	Ala	Leu	Leu	Arg	Leu	His	Gln	Pro	Val	Val	Leu	Thr	Asp
				95					100					105
His	Val	Val	Pro	Leu	Cys	Leu	Pro	Glu	Arg	Thr	Phe	Ser	Glu	Arg
				110					115					120
Thr	Leu	Ala	Phe	Val	Arg	Phe	Ser	Leu	Val	Ser	Gly	Trp	Gly	Gln
				125					130					135
Leu	Leu	Asp	Arg	Gly	Ala	Thr	Ala	Leu	Glu	Leu	Met	Val	Leu	Asn
				140					145					150
Val	Pro	Arg	Leu	Met	Thr	Gln	Asp	Cys	Leu	Gln	Gln	Ser	Arg	Lys
				155					160					165
Val	Gly	Asp	Ser	Pro	Asn	Ile	Thr	Glu	Tyr	Met	Phe	Cys	Ala	Gly
				170					175					180
Tyr	Ser	Asp	Gly	Ser	Lys	Asp	Ser	Cys	Lys	Gly	Asp	Ser	Gly	Gly
				185					190					195

Pro	His	Ala	Thr	His	Tyr	Arg	Gly	Thr	Trp	Tyr	Leu	Thr	Gly	Ile
				200					205					210
Val	Ser	Trp	Gly	Gln	Gly	Cys	Ala	Thr	Val	Gly	His	Phe	Gly	Val
				215					220					225
Tyr	Thr	Arg	Val	Ser	Gln	Tyr	Ile	Glu	Trp	Leu	Gln	Lys	Leu	Met
				230					235					240
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<210> 8
 <211> 253
 <212> PRT
 <213> *Homo sapiens*

<220>

<223> Tissue plasminogen activator

<400> 8

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Gln	Ala	Ala	Ile	Phe	Ala	Lys	His	Arg	Arg	Ser	Pro	Gly	Glu	Arg
				20					25					30
Phe	Leu	Cys	Gly	Gly	Ile	Leu	Ile	Ser	Ser	Cys	Trp	Ile	Leu	Ser
				35					40					45
Ala	Ala	His	Cys	Phe	Gln	Glu	Arg	Phe	Pro	Pro	His	His	Leu	Thr
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Val	Ile	Leu	Gly	Arg	Thr	Tyr	Arg	Val	Val	Pro	Gly	Glu	Glu	Glu
				65					70					75
Gln	Lys	Phe	Glu	Val	Glu	Lys	Tyr	Ile	Val	His	Lys	Glu	Phe	Asp
				80					85					90
Asp	Asp	Thr	Tyr	Asp	Asn	Asp	Ile	Ala	Leu	Leu	Gln	Leu	Lys	Ser
				95					100					105
Asp	Ser	Ser	Arg	Cys	Ala	Gln	Glu	Ser	Ser	Val	Val	Arg	Thr	Val
				110					115					120
Cys	Leu	Pro	Pro	Ala	Asp	Leu	Gln	Leu	Pro	Asp	Trp	Thr	Glu	Cys
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Glu	Leu	Ser	Gly	Tyr	Gly	Lys	His	Glu	Ala	Leu	Ser	Pro	Phe	Tyr
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Ser	Glu	Arg	Leu	Lys	Glu	Ala	His	Val	Arg	Leu	Tyr	Pro	Ser	Ser
				155					160					165
Arg	Cys	Thr	Ser	Gln	His	Leu	Leu	Asn	Arg	Thr	Val	Thr	Asp	Asn
				170					175					180
Met	Leu	Cys	Ala	Gly	Asp	Thr	Arg	Ser	Gly	Gly	Pro	Gln	Ala	Asn
				185					190					195
Leu	His	Asp	Ala	Cys	Gln	Gly	Asp	Ser	Gly	Gly	Pro	Leu	Val	Cys
				200					205					210
Leu	Asn	Asp	Gly	Arg	Met	Thr	Leu	Val	Gly	Ile	Ile	Ser	Trp	Gly
				215					220					225
Leu	Gly	Cys	Gly	Gln	Lys	Asp	Val	Pro	Gly	Val	Tyr	Thr	Lys	Val
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245 250

<210> 9
<211> 2900
<212> DNA
<213> *Homo sapiens*

<220>

<223> SNC-19; GeneBank Accession No. #U20428

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<210> 10
<211> 902
<212> PRT
<213> Mus musculus

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<220>

<223> Epithin

<400> 10

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Gly Phe Glu Glu Gly Val Glu Phe Leu Pro Ala Asn Asn Ala Lys
                    35          40          45
Lys Val Glu Lys Arg Gly Pro Arg Arg Trp Val Val Leu Val Ala
                    50          55          60
Val Leu Phe Ser Phe Leu Leu Leu Ser Leu Met Ala Gly Leu Leu
                    65          70          75
Val Trp His Phe His Tyr Arg Asn Val Arg Val Gln Lys Val Phe
                    80          85          90
Asn Gly His Leu Arg Ile Thr Asn Glu Ile Phe Leu Asp Ala Tyr
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Glu Asn Ser Thr Ser Thr Glu Phe Ile Ser Leu Ala Ser Gln Val
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Lys Glu Ala Leu Lys Leu Leu Tyr Asn Glu Val Pro Val Leu Gly
                    125         130         135
Pro Tyr His Lys Lys Ser Ala Val Thr Ala Phe Ser Glu Gly Ser
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Val Ile Ala Tyr Tyr Trp Ser Glu Phe Ser Ile Pro Pro His Leu
                    155         160         165
Ala Glu Glu Val Asp Arg Ala Met Ala Val Glu Arg Val Val Thr
                    170         175         180
Leu Pro Pro Arg Ala Arg Ala Leu Lys Ser Phe Val Leu Thr Ser
                    185         190         195
Val Val Ala Phe Pro Ile Asp Pro Arg Met Leu Gln Arg Thr Gln
                    200         205         210
Asp Asn Ser Cys Ser Phe Ala Leu His Ala His Gly Ala Ala Val
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Leu	Ser	Leu	Thr	Phe	Arg	Ser	Phe	Asp	Val	Ala	Pro	Cys	Asp	Glu
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His	Gly	Ser	Asp	Leu	Val	Thr	Val	Tyr	Asp	Ser	Leu	Ser	Pro	Met
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Glu	Pro	His	Ala	Val	Val	Arg	Leu	Cys	Gly	Thr	Phe	Ser	Pro	Ser
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Tyr	Asn	Leu	Thr	Phe	Leu	Ser	Ser	Gln	Asn	Val	Phe	Leu	Val	Thr
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Phe	Phe	Gln	Leu	Pro	Lys	Met	Ser	Ser	Cys	Gly	Gly	Val	Leu	Ser
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Asp	Thr	Gln	Gly	Thr	Phe	Ser	Ser	Pro	Tyr	Tyr	Pro	Gly	His	Tyr
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Pro	Pro	Asn	Ile	Asn	Cys	Thr	Trp	Asn	Ile	Lys	Val	Pro	Asn	Asn
				365					370					375
Arg	Asn	Val	Lys	Val	Arg	Phe	Lys	Leu	Phe	Tyr	Leu	Val	Asp	Pro
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Thr	Asp	Thr	Gly	Phe	Leu	Ala	Glu	Tyr	Leu	Ser	Tyr	Asp	Ser	Asn
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Asp	Pro	Cys	Pro	Gly	Met	Phe	Met	Cys	Lys	Thr	Gly	Arg	Cys	Ile
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Arg	Lys	Glu	Leu	Arg	Cys	Asp	Gly	Trp	Ala	Asp	Cys	Pro	Asp	Tyr
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Cys	Lys	Asn	Gln	Phe	Cys	Lys	Pro	Leu	Phe	Trp	Val	Cys	Asp	Ser
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Val	Asn	Asp	Cys	Gly	Asp	Gly	Ser	Asp	Glu	Glu	Gly	Cys	Ser	Cys
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Pro	Ala	Gly	Ser	Phe	Lys	Cys	Ser	Asn	Gly	Lys	Cys	Leu	Pro	Gln
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Ser	Gln	Lys	Cys	Asn	Gly	Lys	Asp	Asn	Cys	Gly	Asp	Gly	Ser	Asp
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Glu	Ala	Ser	Cys	Asp	Ser	Val	Asn	Val	Val	Ser	Cys	Thr	Lys	Tyr
				560					565					570
Thr	Tyr	Arg	Cys	Gln	Asn	Gly	Leu	Cys	Leu	Ser	Lys	Gly	Asn	Pro
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Glu	Cys	Asp	Gly	Lys	Thr	Asp	Cys	Ser	Asp	Gly	Ser	Asp	Glu	Lys
				590					595					600
Asn	Cys	Asp	Cys	Gly	Leu	Arg	Ser	Phe	Thr	Lys	Gln	Ala	Arg	Val
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Ser	Leu	His	Ala	Leu	Gly	Gln	Gly	His	Leu	Cys	Gly	Ala	Ser	Leu	635	640	645
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Asp	Lys	Asn	Phe	Lys	Tyr	Ser	Asp	Tyr	Thr	Met	Trp	Thr	Ala	Phe	665	670	675
Leu	Gly	Leu	Leu	Asp	Gln	Ser	Lys	Arg	Ser	Ala	Ser	Gly	Val	Gln	680	685	690
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Phe	Thr	Phe	Asp	Tyr	Asp	Ile	Ala	Leu	Leu	Glu	Leu	Glu	Lys	Ser	710	715	720
Val	Glu	Tyr	Ser	Thr	Val	Val	Arg	Pro	Ile	Cys	Leu	Pro	Asp	Ala	725	730	735
Thr	His	Val	Phe	Pro	Ala	Gly	Lys	Ala	Ile	Trp	Val	Thr	Gly	Trp	740	745	750
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Pro	Gln	Gln	Ile	Thr	Pro	Arg	Met	Met	Cys	Val	Gly	Phe	Leu	Ser	785	790	795
Gly	Gly	Val	Asp	Ser	Cys	Gln	Gly	Asp	Ser	Gly	Gly	Pro	Leu	Ser	800	805	810
Ser	Ala	Glu	Lys	Asp	Gly	Arg	Met	Phe	Gln	Ala	Gly	Val	Val	Ser	815	820	825
Trp	Gly	Glu	Gly	Cys	Ala	Gln	Arg	Asn	Lys	Pro	Gly	Val	Tyr	Thr	830	835	840
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Pro	Asp	Met	His	Thr	Trp	Ile	Gln	Glu	Arg	Asn	Thr	Asp	Asp	Ile	875	880	885
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His	Pro																

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<221> n=Inosine
 <222> 6, 9, 12, 15, 18
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 <210> 12
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 <221> n=Inosine
 <222> 3, 6, 9, 12, 18
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 <210> 13
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 <223> Fragment of TADG-15

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 <223> TADG-15 forward oligonucleotide primer

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 <223> TADG-15 reverse oligonucleotide primer

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<210> 16
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<223> β -tubulin forward oligonucleotide primer

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<223> β -tubulin reverse oligonucleotide primer

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ugaggcucag	cacugagucg	gcguccccc	gcagggccca	cuggcagcgg	2400
gcaugagcgg	gguaggggcu	gucagggaag	ccgggcgugg	ugaagcgcau	2450
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uccucuguac	uguuuuggag	uccgugggga	aagccaccac	ugaggugacc	2550
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cucggccaug	acgcgcucgg	ccuccuccac	caggugcugc	gggaugcuga	2650
acucagacca	guaguaggcg	augacgcugc	ccucgcugaa	ggccgucaca	2700
gccgacuccu	ugugguaggg	gccaggaau	gggacuccgc	uguacagcag	2750
cuucagcgcg	uccuucaccu	ugcuggccag	gcuuacaaac	ucaguggagu	2800
uggaguucuc	guaggcaucc	acaaaauucu	cauuugugau	ccucauguag	2850
ccauugaaga	ccuucuggac	acgcacgucc	cgguacugca	aaugccacac	2900
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ccgggaguug	uacuugaguc	ccgcgccgaa	guccuucggg	ccccuccgcg	3100
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<210> 19

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 68-76 of the TADG-15 protein

<400> 19

Val Leu Leu Gly Ile Gly Phe Leu Val
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<210> 20

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 126-134 of the TADG-15 protein

<400> 20

Leu Leu Tyr Ser Gly Val Pro Phe Leu
5

<210> 21

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 644-652 of the TADG-15 protein

<400> 21

Ser Leu Ile Ser Pro Asn Trp Leu Val
5

<210> 22

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 379-387 of the TADG-15 protein

<400> 22

Lys Val Ser Phe Lys Phe Phe Tyr Leu
5

<210> 23

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 386-394 of the TADG-15 protein

<400> 23

Tyr Leu Leu Glu Pro Gly Val Pro Ala
5

<210> 24

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 257-265 of the TADG-15 protein

<400> 24

Ser Leu Thr Phe Arg Ser Phe Asp Leu
5

<210> 25

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 762-770 of the TADG-15 protein

<400> 25

Ile Leu Gln Lys Gly Glu Ile Arg Val
5

<210> 26

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 841-849 of the TADG-15 protein

<400> 26

Arg Leu Pro Leu Phe Arg Asp Trp Ile
5

<210> 27

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 64-72 of the TADG-15 protein

<400> 27

Gly Leu Leu Leu Val Leu Leu Gly Ile
5

<210> 28

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 57-65 of the TADG-15 protein

<400> 28

Val Leu Ala Ala Val Leu Ile Gly Leu
5

<210> 29

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 67-75 of the TADG-15 protein

<400> 29

Leu Val Leu Leu Gly Ile Gly Phe Leu
5

<210> 30

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 379-387 of the TADG-15 protein

<400> 30

Lys Val Ser Phe Lys Phe Phe Tyr Leu
5

<210> 31

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 126-134 of the TADG-15 protein

<400> 31

Leu Leu Tyr Ser Gly Val Pro Phe Leu
5

<210> 32

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 88-96 of the TADG-15 protein

<400> 32

Lys Val Phe Asn Gly Tyr Met Arg Ile
5

<210> 33

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 670-678 of the TADG-15 protein

<400> 33

Thr Gln Trp Thr Ala Phe Leu Gly Leu
5

<210> 34

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 119-127 of the TADG-15 protein

<400> 34

Lys Val Lys Asp Ala Leu Lys Leu Leu
5

<210> 35

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 60-68 of the TADG-15 protein

<400> 35

Ala Val Leu Ile Gly Leu Leu Leu Val
5

<210> 36

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 62-70 of the TADG-15 protein

<400> 36

Leu Ile Gly Leu Leu Leu Val Leu Leu
5

<210> 37

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 57-65 of the TADG-15 protein

<400> 37

Val Leu Ala Ala Val Leu Ile Gly Leu
5

<210> 38

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 61-69 of the TADG-15 protein

<400> 38

Val Leu Ile Gly Leu Leu Leu Val Leu
5

<210> 39

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 146-154 of the TADG-15 protein

<400> 39

Phe Ser Glu Gly Ser Val Ile Ala Tyr
5

<210> 40

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 658-666 of the TADG-15 protein

<400> 40

Tyr Ile Asp Asp Arg Gly Phe Arg Tyr
5

<210> 41

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 449-457 of the TADG-15 protein

<400> 41

Ser Ser Asp Pro Cys Pro Gly Gln Phe
5

<210> 42

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 401-409 of the TADG-15 protein

<400> 42

Tyr Val Glu Ile Asn Gly Glu Lys Tyr
5

<210> 43

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 387-395 of the TADG-15 protein

<400> 43

Leu Leu Glu Pro Gly Val Pro Ala Gly
5

<210> 44

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 553-561 of the TADG-15 protein

<400> 44

Gly Ser Asp Glu Ala Ser Cys Pro Lys
5

<210> 45

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 97-105 of the TADG-15 protein

<400> 45

Thr Asn Glu Asn Phe Val Asp Ala Tyr
5

<210> 46

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 110-118 of the TADG-15 protein

<400> 46

Ser Thr Glu Phe Val Ser Leu Ala Ser
5

<210> 47

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 811-819 of the TADG-15 protein

<400> 47

Ser Val Glu Ala Asp Gly Arg Ile Phe
5

<210> 48

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 666-674 of the TADG-15 protein

<400> 48

Tyr Ser Asp Pro Thr Gln Trp Thr Ala
5

<210> 49

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 709-717 of the TADG-15 protein

<400> 49

Asp Tyr Asp Ile Ala Leu Leu Glu Leu
5

<210> 50

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 408-416 of the TADG-15 protein

<400> 50

Lys Tyr Cys Gly Glu Arg Ser Gln Phe
5

<210> 51

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 754-762 of the TADG-15 protein

<400> 51

Gln Tyr Gly Gly Thr Gly Ala Leu Ile
5

<210> 52

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 153-161 of the TADG-15 protein

<400> 52

Ala Tyr Tyr Trp Ser Glu Phe Ser Ile
5

<210> 53

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 722-730 of the TADG-15 protein

<400> 53

Glu Tyr Ser Ser Met Val Arg Pro Ile
5

<210> 54

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 326-334 of the TADG-15 protein

<400> 54

Gly Phe Glu Ala Thr Phe Phe Gln Leu
5

<210> 55

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 304-312 of the TADG-15 protein

<400> 55

Thr Phe His Ser Ser Gln Asn Val Leu
5

<210> 56

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 707-715 of the TADG-15 protein

<400> 56

Thr Phe Asp Tyr Asp Ile Ala Leu Leu
5

<210> 57

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 21-29 of the TADG-15 protein

<400> 57

Lys Tyr Asn Ser Arg His Glu Lys Val
5

<210> 58

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 665-673 of the TADG-15 protein

<400> 58

Arg Tyr Ser Asp Pro Thr Gln Trp Thr
5

<210> 59

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 686-694 of the TADG-15 protein

<400> 59

Ala Pro Gly Val Gln Glu Arg Arg Leu
5

<210> 60

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 12-20 of the TADG-15 protein

<400> 60

Gly Pro Lys Asp Phe Gly Ala Gly Leu
5

<210> 61

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 668-676 of the TADG-15 protein

<400> 61

Asp Pro Thr Gln Trp Thr Ala Phe Leu
5

<210> 62

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 461-469 of the TADG-15 protein

<400> 62

Thr Gly Arg Cys Ile Arg Lys Glu Leu
5

<210> 63

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 59-67 of the TADG-15 protein

<400> 63

Ala Ala Val Leu Ile Gly Leu Leu Leu
5

<210> 64

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 379-387 of the TADG-15 protein

<400> 64

Lys Val Ser Phe Lys Phe Phe Tyr Leu
5

<210> 65

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 119-127 of the TADG-15 protein

<400> 65

Lys Val Lys Asp Ala Leu Lys Leu Leu
5

<210> 66

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 780-788 of the TADG-15 protein

<400> 66

Leu Pro Gln Gln Ile Thr Pro Arg Met
5

<210> 67

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 67-75 of the TADG-15 protein

<400> 67

Leu Val Leu Leu Gly Ile Gly Phe Leu
5

<210> 68

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 283-291 of the TADG-15 protein

<400> 68

Ser Pro Met Glu Pro His Ala Leu Val
5

<210> 69

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 12-20 of the TADG-15 protein

<400> 69

Gly Pro Lys Asp Phe Gly Ala Gly Leu
5

<210> 70

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 257-265 of the TADG-15 protein

<400> 70

Ser Leu Thr Phe Arg Ser Phe Asp Leu
5

<210> 71

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 180-188 of the TADG-15 protein

<400> 71

Met Leu Pro Pro Arg Ala Arg Ser Leu
5

<210> 72

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 217-225 of the TADG-15 protein

<400> 72

Gly Leu His Ala Arg Gly Val Glu Leu
5

<210> 73

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 173-181 of the TADG-15 protein

<400> 73

Met Ala Glu Glu Arg Val Val Met Leu
5

<210> 74

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 267-275 of the TADG-15 protein

<400> 74

Ser Cys Asp Glu Arg Gly Ser Asp Leu
5

<210> 75

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 567-575 of the TADG-15 protein

<400> 75

Cys Thr Lys His Thr Tyr Arg Cys Leu
5

<210> 76

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 724-732 of the TADG-15 protein

<400> 76

Ser Ser Met Val Arg Pro Ile Cys Leu
5

<210> 77

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 409-417 of the TADG-15 protein

<400> 77

Tyr Cys Gly Glu Arg Ser Gln Phe Val
5

<210> 78

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 495-503 of the TADG-15 protein

<400> 78

Thr Cys Lys Asn Lys Phe Cys Lys Pro
5

<210> 79

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 427-435 of the TADG-15 protein

<400> 79

Val Arg Phe His Ser Asp Gln Ser Tyr
5

<210> 80

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 695-703 of the TADG-15 protein

<400> 80

Lys Arg Ile Ile Ser His Pro Phe Phe
5

<210> 81

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 664-672 of the TADG-15 protein

<400> 81

Phe Arg Tyr Ser Asp Pro Thr Gln Trp
5

<210> 82

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 220-228 of the TADG-15 protein

<400> 82

Ala Arg Gly Val Glu Leu Met Arg Phe
5

<210> 83

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 492-500 of the TADG-15 protein

<400> 83

His Gln Phe Thr Cys Lys Asn Lys Phe
5

<210> 84

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 53-61 of the TADG-15 protein

<400> 84

Gly Arg Trp Val Val Leu Ala Ala Val
5

<210> 85

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 248-256 of the TADG-15 protein

<400> 85

Leu Arg Gly Asp Ala Asp Ser Val Leu
5

<210> 86

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 572-580 of the TADG-15 protein

<400> 86

Tyr Arg Cys Leu Asn Gly Leu Cys Leu
5

<210> 87

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 692-700 of the TADG-15 protein

<400> 87

Arg Arg Leu Lys Arg Ile Ile Ser His
5

<210> 88

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 24-32 of the TADG-15 protein

<400> 88

Ser Arg His Glu Lys Val Asn Gly Leu
5

<210> 89

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 147-155 of the TADG-15 protein

<400> 89

Ser Glu Gly Ser Val Ile Ala Tyr Tyr
5

<210> 90

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 715-723 of the TADG-15 protein

<400> 90

Leu Glu Leu Glu Lys Pro Ala Glu Tyr
5

<210> 91

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 105-113 of the TADG-15 protein

<400> 91

Tyr Glu Asn Ser Asn Ser Thr Glu Phe
5

<210> 92

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 14-22 of the TADG-15 protein

<400> 92

Lys Asp Phe Gly Ala Gly Leu Lys Tyr
5

<210> 93

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 129-137 of the TADG-15 protein

<400> 93

Ser Gly Val Pro Phe Leu Gly Pro Tyr
5

<210> 94

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 436-444 of the TADG-15 protein

<400> 94

Thr Asp Thr Gly Phe Leu Ala Glu Tyr
5

<210> 95

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 766-774 of the TADG-15 protein

<400> 95

Gly Glu Ile Arg Val Ile Asn Gln Thr
5

<210> 96

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 402-410 of the TADG-15 protein

<400> 96

Val Glu Ile Asn Gly Glu Lys Tyr Cys
5

<210> 97

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 482-490 of the TADG-15 protein

<400> 97

Asp Glu Leu Asn Cys Ser Cys Asp Ala
5

<210> 98

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 82-90 of the TADG-15 protein

<400> 98

Arg Asp Val Arg Val Gln Lys Val Phe
5